



**R32**

## HEAT PUMP AND HEAT RECOVERY

208-230V / 460V

### SIMPLE. SUSTAINABLE. CONNECTED.

#### Design and Installation Flexibility:

- » **Enlarge system from single to dual-module** without changes to installed main pipe sizes for phased installation or tenant fit-out buildings.
- » **Vertical separation** up to 361 feet with field setting.
- » Engineered for **ease of installation and service** with three-segment panel design.
- » **Ease of field piping** connections to service valves.

#### Connect, Control and Monitor:

- » Offers **connectivity** to an ever-expanding offering of controls, ventilation, and indoor units.
- » **Seven segment** display read refrigerant temperatures and pressure on digital display.
- » Built-in data recorder to store **up to 40 minutes** of operational data.
- » Integrates with new Daikin *HERO* Ecosystem, an IoT based remote monitoring and diagnostics platform.
- » Extend benefits of inverter technology to custom terminal units and AHUs through AHU integration kits.

#### High Performance and Protection:

- » **Continuous heating** during defrost capability with single module (16 T - 20 T) and all dual module systems (Heat Recovery Systems).
- » Hot gas defrost circuit allows for installation without base pan heater.
- » High dust and moisture protection with an IP55 rated sealed E-box.

#### Capacity Range:

6 T - 40 T

#### Low Ambient Operation:

Cooling down to -4°F (-20°C)\*  
Heating down to -22°F (-30°C)

\* Requires field setting and air adjustment grille. See EM for details

#### New Features, Benefits, and Improvements:

- » New improved D4 net provides **faster communication speeds** and larger data volume compared to D3 net, up to 30 times the amount of data compared to D3 net.
- » **Reduced install and commission time** through auto address feature with D4 communications protocol compared to previous R-410A systems.
- » **R-32 VRV EMERION systems provide a lower Global Warming Potential (GWP)**, improved efficiency, and a lower system charge compared to previous R-410A systems.
- » **Designed for increased energy savings** through new improved VRT technology with evaporation temperature control at each indoor unit (BS or SSOV required) compared to previous R-410A systems.
- » **New remote field setting option** that allows data retrieval and field setting changes of units in the system from anywhere, without the need for physical access to each room.
- » **New field setting** that allows reuse of R-410A piping network for new R-32 system, eliminating need to replace piping for retrofit applications.

# Product Specifications



STANDARD OPERATION RANGE		
Cooling	Outdoor	-4° – 122°F DB (-20 – 50°C DB)
	Indoor	57° – 77°F WB (14 – 25°C WB)
Heating	Outdoor	-22° – 60°F WB (-30 – 15.5°C WB)
	Indoor	59° – 80°F DB (15 – 27°CDB)
REFRIGERANT PIPING LENGTHS		
Maximum Vertical Pipe Length (ODU Above IDU)	ft (m)	361 (110) <sup>1</sup>
Maximum Vertical Pipe Length (ODU Below IDU)	ft (m)	361 (110) <sup>1</sup>
Maximum Vertical Pipe Length between IDU	ft (m)	130 (40)
Maximum Actual Pipe Length	ft (m)	540 (165)
Maximum Equivalent Pipe Length	ft (m)	623 (190)
Allowable length after first branch	ft (m)	2951 (90)
Total Piping Length	ft (m)	3,280 (1000)
CONNECTION RATIO		
Connectable Indoor Unit Ratio	%	50 – 200 <sup>2</sup>
Number of Indoor Units	Qty	Up to 64 <sup>2</sup>

<sup>1</sup> Conditions/rules apply: Refer to the Installation and Engineering Manual for details. Must be connected through branch selector box or safety shut off valve.

<sup>2</sup> Model specific, check product specifications for details.

MODULE	NOMINAL CAPACITY (TON)	RXYA / REYA*** AATJA = 208/230V AAYDA = 460V	SINGLE MODULE (RXYA/REYA***AATJA/AAYDA)							
			72	96	120	144	168	192	216	240
SINGLE MODULE	6	72	■							
	8	96		■						
	10	120			■					
	12	144				■				
	14	168					■			
	16	192						■		
	18	216							■	
	20	240								■
DUAL MODULE	22	264			■	■				
	24	288				■ ■				
	26	312				■	■			
	28	336					■ ■			
	30	360					■	■		
	32	384						■ ■		
	34	408						■	■	
	36	432							■ ■	
	38	456							■	■
	40	480								■ ■



TO LEARN MORE ABOUT DAIKIN  
VRV EMERION, SCAN THE QR CODE

## Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer. Visit [www.daikincomfort.com](http://www.daikincomfort.com) to learn more.

Our continuing commitment to quality products may mean a change in specifications without notice.

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